INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA EIGHT (8) PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE IS EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR BOTH THE EASTBOUND AND WESTBOUND MOVEMENTS OF MD 410. THE MD 410 THROUGH MOVEMENTS OPERATE CONCURRENTLY. THERE IS EXCLUSIVE LEFT TURN PHASING FOR BOTH THE NORTHBOUND AND SOUTHBOUND MOVEMENTS OF MD 212 THE MD 212 THROUGH MOVEMENTS OPERATE CONCURRENTLY. AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED FOR CROSSING THE NORTH AND SOUTH LEGS OF THE INTERSECTION.

THE EXISTING CABINET/CONTROLLER WILL BE UTILIZED.
SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
CONTACT MR. ED RODENHIZER AT 410-787-7652
AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.

APS OPERATION

- * WAIT MESSAGE NORTH LEG WAIT TO CROSS RIGGS RD AT EAST WEST HWY. CROSSWALK ANGLES LEFT.
- * WAIT MESSAGE SOUTH LEG WAIT TO CROSS RIGGS RD AT EAST WEST HWY.
- * WAIT MESSAGE EAST LEG WAIT TO CROSS EAST WEST HWY AT RIGGS RD.
- * WAIT MESSAGE WEST LEG WAIT TO CROSS EAST WEST HWY AT RIGGS RD. CROSSWALK ANGLES LEFT.
- * WALK MESSAGES ALL LEGS THE WALK MESSAGE SHALL BE RAPID TICK.

PROJECT CONTACTS

The contact persons for District #3 (Prince George's County) are as follows:

Mr. Brian Young Assistant District Engineer - Traffic Phone: (301) 513-7404

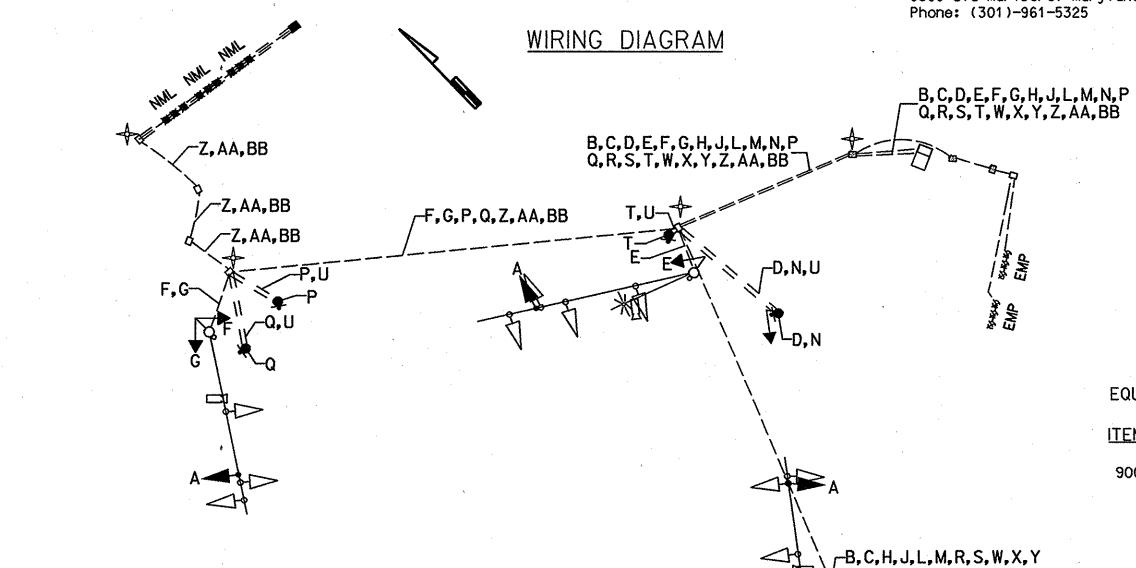
Mr. Wayne Mowdy Assistant District Engineer - Maintenance Phone: (301) 513-7304

Mr. Augie Rebish Utility Engineer Phone: (301) 513-7350

Mr. Richard L. Daff. Sr. Chief. Traffic Operations Division Phone: (410) 787-7630

Mr. Ed Rodenhizer Signal Shop Phone: (410)-787-7652

The Power Company Representative is: Potomac Electric Power Company 8300 Old Mariboro, Maryland 20772



A EXISTING CABLE TO BE UTILIZED

NML NON-INVASIVE MICROLOOP PROBE

W,X,Y Z,AA,BB MICROLOOP PROBE LEAD-IN CABLE

EMP EXISTING MICROLOOP PROBE

EXISTING GROUND ROD

B,C,D,E,F G,H,J,M,T ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

L,N,P Q,R,S ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)

U NO. 6 AWG STRANDED BARE COPPER GROUND WIRE

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

QUANTITY DESCRIPTION

SHEET ALUMINUM MAST ARM/POLE 900000 8 SF MOUNTED SIGN:

> 4 EACH - RIO-3(I) (9 IN. x 15 IN.)
> POLE MOUNT, "PUSH BUTTON TO CROSS EAST-WEST HWY."

> 4 EACH - RIO-3(I) (9 IN. x 15 IN.) POLE MOUNT, "PUSH BUTTON TO CROSS RIGGS RD."

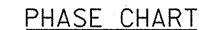
NORTH-EAST ISLAND --

SCALE: I" = 20'

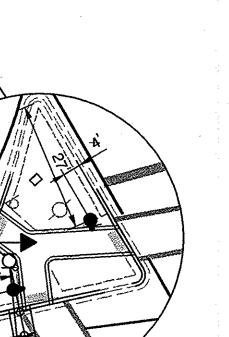
EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

	•	
ITEM NO	QUANTITY	DESCRIPTION
120500	I EA	MAINTENANCE OF TRAFFIC
203030	6 CY	TEST PIT EXCAVATION
585621	II40 LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585625	200 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
800000	8 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON
800000	8 EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS
800000	1 EA	REMOVE AND DISPOSE OF TRAFFIC SIGNAL EQUIPMENT
800000	I EA	2 WIRE CENTRAL CONTROL UNIT
801004	I CY	CONCRETE FOR SIGNAL FOUNDATION
802501	100 LF	NO.6 AWG STRANDED BARE COPPER GROUND WIRE
805135	130 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT UP - TRENCHED
805150	120 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT UP - SLOTTED
810601	3 EA	NONINVASIVE DETECTOR, 500 FOOT LEAD IN CABLE
810605	3 EA	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
811001	3 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	8 SF	INSTALL OVERHEAD SIGN
818004	6 EA	10 FOOT BREAKAWAY PEDESTAL POLE
860265	4 EA	RELOCATE EXISTING SIGNAL HEAD
860292	5 EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
861105	1410 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO.14 AWG)
861107	1980 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)

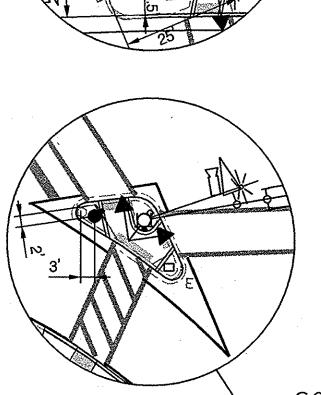


	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
		EED	(C)	(E)	FF	FF	EEE	@\\ \(\text{\$\infty}\)	E			(E)			(E)(S)	細	細	細	升	AND	AH .	AH M	細	
PHASE 1 AND 5	+G-	+G	R	R	+ G−	+G-	+ G−	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	1
					1 A	ND 5	CHA	NGE T	01/	AND 6	5, 2 A	ND 5,	, OR 2	2 AND	6									7
PHASE 1 AND 6	+ G−	+G	G	G	+ R−	← R−	+R−	R.	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	1
1 AND 6 CHANGE	+Y-	+Y	G	G	+Ř−	← R	+ R−	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	4
PHASE 2 AND 5	← R	←R	R	R	← G−	+G−	+G-	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
2 AND 5 CHANGE	+R-	+R	R	R	+ Y−	← Y−	+Y−	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	4 ♦
PHASE 2 AND 6	← R-	← R	G	G	← R	+R	+R−	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW	•
2 AND 6 CHANGE	← R-	← R	γ	Υ	← R	← R	+ R−	Υ	Υ	R	R	R 、	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW	₩.
PHASE 3 AND 7	← R−	← R	R	R	+R-	+ R−	+ R−	R	R	+G∕R	←G ⁄R	R	+ G∕R	+G ∕R	R	DW	DW	DW	DW	DW	DW	DW	DW	1
					3 A	ND 7	CHAI	NGE T	О 3	AND	8, 4 A	ND 7	, OR	4 ANE	8 (7
PHASE 3 AND 8	← R-	←R	R	R	+R−	+ R−	+ R	R	R	R	R	R	+G∕G	+G∕G	G	DW	DW	DW	DW	DW	DW	DW	DW	4
3 AND 8 CHANGE	← R-	+-R	R	R	+R−	← R−	+R−	R	R	R	R	R	+Y⁄G	+ Y∕G	G	DW	DW	DW	DW	DW	DW	DW	DW	4 ¢
PHASE 4 AND 7	← R-	← R	R	R	+ R−	← R	+R-	R	R	+G∕G	+G∕G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
4 AND 7 CHANGE	← R−	← R	R	R	+ R−	+ R−	+ R−	R	R	+Y∕G	+Y∕G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8	← R-	← R	R	R	+R−	← R−	+ R−	R	R	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW	4
4 AND 8 CHANGE	← R-	← R	R	R	← R	+R-	+R-	R	R	Υ	Y	Y	Υ	Υ	Y	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8 ALT	+R-	← R	R	R	← R−	← R~	+R-	R	R	G	G	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK	1
PED CLEARANCE	← R−	← R	R	R	+R−	+R−	← R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW	1 -
4 AND 8 ALT CHANGE	← R-	← R	R	R	← R−	+R−	+ R−	R	R	Υ	Υ	Y	γ	Υ	Υ	DW	DW	DW	DW	DW	DW	DW	DW	•
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	



SCALE: I" = 20' -SOUTH-EAST: ISLAND SCALE: |" = 20'

- NORTH-WEST ISLAND



SOUTH-WEST ISLAND SCALE: I" = 20'

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

DESCRIPTION

NONE ALL REMOVED MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.



STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION TRAFFIC ENGINEERING DESIGN DIVISION

MD 212 (RIGGS ROAD) AT MD 410 (EAST-WEST HIGHWAY)



RJM ENGINEERING, INC. CONSULTING ENGINEERS COLUMBIA, MARYLAND

GENERAL INFORMATION SHEET SCALE NTS DATE 12/2007 CONTRACT NO. PG5715177 COUNTY PRINCE GEORGE'S SEE TITLE SHEET TS NO. 1778D-GI DRAWING **SG-02** OF 02

PLOTTED: \$DATETIME\$ FILE: \$FILE\$

SHEET NO.